

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

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1. (Original) An encrypted television signal, comprising:
a plurality of encrypted samples of the television program, the samples being encrypted under a first encryption method; and
an unencrypted portion.
 2. (Original) The encrypted television signal according to claim 1, wherein the television signal is a digital television signal, and wherein the encrypted samples comprise encrypted packets, and the unencrypted portion comprises unencrypted packets.
 3. (Original) The encrypted television signal according to claim 2, wherein the digital television signal complies with an MPEG standard, and wherein the encrypted packets are identified by a packet identifier.
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4. (Original) The encrypted television signal according to claim 2, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted packets are identified by a first packet identifier, and wherein the encrypted packets are identified by the first packet identifier.
 5. (Original) The encrypted television signal according to claim 2, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted packets are identified by a first packet identifier, and wherein the encrypted packets are identified by a second packet identifier.
 6. (Original) An encrypted television program, comprising:
a plurality of unencrypted packets; and
a plurality of encrypted packets, wherein both the unencrypted and the encrypted packets are required to decode the television program.

7. (Original) The encrypted television program according to claim 6, wherein the unencrypted packets and encrypted packets comprise transport stream packets.

8. (Currently Amended) The encrypted television program according to claim 6, wherein the digital television program signal complies with an MPEG standard, and wherein the encrypted and unencrypted packets are identified by a packet identifier.

9. (Currently Amended) The encrypted television program according to claim 6, wherein the digital television program signal complies with an MPEG standard, and wherein the unencrypted packets are identified by a primary packet identifier, and wherein the encrypted packets are identified by a secondary packet identifier.

10. (Original) A method of encrypting content, comprising:

a³ identifying a portion of the content to encrypt according to a selection algorithm where less than 100% of the content is encrypted;

encrypting the identified content portion according to a first encryption method to produce a first encrypted content portion;

encrypting the identified content according to a second encryption method to produce a second encrypted content portion; and

combining an unencrypted content portion along with the first and second encrypted content portions to produce partially dual encrypted content.

11. (Currently Amended) The method according to claim 10, ~~further comprising combining the content portion with the first and second encrypted content portions to produce dual partially encrypted content~~ wherein the content comprises a digital video signal.

12. (Original) The method according to claim 10, further comprising distributing the unencrypted content portion along with the first and second encrypted content portions.

13. (Original) The method according to claim 10, wherein the content comprises a television signal and the partially dual encrypted content comprises a partially dual encrypted television signal.

14. (Original) The method according to claim 13, further comprising distributing the partially dual encrypted television signal over one of the following: a cable system, a terrestrial broadcast system, satellite system, and as packaged media.

15. (Original) The method according to claim 13, wherein the television signal has an audio portion, a video portion and a system information portion.

16. (Original) The method according to claim 15, wherein the selection algorithm comprises selecting system information for encrypting.

17. (Original) The method according to claim 15, wherein the selection algorithm comprises selecting the audio portion for encrypting.

18. (Original) The method according to claim 15, wherein the selection algorithm comprises selecting the video portion for encrypting.

19. (Original) The method according to claim 10, wherein the content is comprised of multiple programs and wherein the selection algorithm comprises sequentially selecting each program for a period of time for encryption.

20. (Original) The method according to claim 10, wherein the content is comprised of multiple programs and wherein the selection algorithm comprises selecting fewer than 100% of the programs for a period of time for encryption.

21. (Original) The method according to claim 10, wherein the content is comprised of blocks of data and wherein the selection algorithm comprises selecting N blocks for every Mth block of content for encryption, where N is less than M.

22. (Original) The method according to claim 10, wherein the content is comprised of data structures and wherein the selection algorithm comprises selecting a fraction of the data structures for encrypting.

23. (Original) The method according to claim 10, wherein the content is comprised of compressed data, wherein the algorithm comprises selection of data needed for decompressing the content for encrypting.

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24. (Currently Amended) The method according to claim 10, wherein the content is comprised of a plurality of packetized elementary streams with the packets containing header information, and wherein the algorithm comprises selecting header information for encrypting.

25. (Original) The method according to claim 24, wherein the header information comprises at least one of packetized elementary stream (PES) header, sequence header, sequence header extension, and group of pictures (GOP) header.

26. (Original) The method according to claim 10, wherein the content is packetized using a first packet identifier (PID), and the PID for packets containing content selected for encryption is mapped to a second PID.

27. (Original) The method according to claim 10, further comprising distributing the unencrypted content portion separately from the first and second encrypted content portions.

28. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method of encrypting content according to claim 10.

29. (Original) An electronic transmission medium carrying encrypted content encrypted by the method according to claim 10.

30. (Original) A method of encrypting content, comprising:
encrypting content according to a first encryption method to produce a first encrypted content portion; and
combining the first encrypted content portion with an unencrypted content portion to produce partially encrypted content.

31. (Original) The method according to claim 30, wherein the partially encrypted content comprises a television signal.

32. (Original) The method according to claim 31, wherein the partially encrypted television signal is distributed over one of the following: a cable system, a terrestrial broadcast system, satellite system, and as packaged media.

33. (Original) A method of managing multiple access control systems within an audio visual content distribution system, comprising:

identifying a portion of the content to replicate for each of a plurality of access control systems according to a selection algorithm wherein less than 100% of the content is replicated; and

replicating the identified portion.

34. (Original) The method according to claim 33, further comprising encrypting the replicated identified portion using a first encryption algorithm.

35. (Original) The method according to claim 34, further comprising:
 replicating the identified portion a second time to produce a second replicated
portion; and
 encrypting the second replicated portion using a second encryption algorithm.

36. (Original) The method according to claim 35, further comprising combining the
identified portion with the encrypted replicated portion and the encrypted second replicated
portion to produce dual partially encrypted content.

Q³ 37. (Original) The method according to claim 36, wherein the dual partially
encrypted content is distributed over one of the following: a cable system, a terrestrial
broadcast system, satellite system, and as packaged media.

38. (Original) The method according to claim 36, further comprising assigning a
separated packet identifier to packets containing each of the identified content, the
encrypted replicated identified portion and the encrypted second replicated portion.

39. (Original) The method according to claim 33, wherein the content comprises
television content.

40. (Original) A method of encoding a packetized digital television signal,
comprising:

 encrypting a portion of the packets containing the digital television signal according
to a first encryption algorithm;

 encrypting the portion of the packets containing the digital television signal
according to a second encryption algorithm;

 leaving a portion of the packets containing the digital television signal unencrypted;

 assigning a primary packet identifier to the unencrypted packets;

 assigning a primary packet identifier to the packets encrypted under the first
encryption algorithm; and

assigning a secondary packet identifier to the packets encrypted under the second encryption algorithm.

41. (Original) The method according to claim 40, further comprising generating information linking the digital television signal to the primary and secondary packet identifiers.

42. (Original) The method according to claim 41, further comprising transmitting the information linking the digital television signal to the primary and secondary packet identifiers as program specific information (PSI).

a³ 43. (Original) The method according to claim 40, further comprising transmitting the unencrypted packets along with the packets encrypted under the first and second encryption algorithms over one of the following: a cable system, a terrestrial broadcast system and satellite system.

44. (Currently Amended) A packet selector and duplicator device, comprising:
input means for receiving a stream of clear packets from a satellite descrambler;
means for selecting a group of packets for dual encryption while leaving a remaining set of clear packets;
means for duplicating the selected packets to provide a first and second set of duplicate packets;
means for assigning a first packet identifier to the first set of duplicate packets and assigning a second packet identifier to the second set of duplicate packets; and
means for multiplexing the first set of duplicate packets and the second set of duplicate packets with the set of clear packets to produce an output stream of packets.

45. (Original) The apparatus according to claim 44, further comprising a first encrypter that encrypts the first set of duplicate packets and the set of clear packets under a first encryption algorithm.

46. (Original) The apparatus according to claim 44 further comprising a first encrypter that encrypts packets having the first packet identifier under a first encryption algorithm.

47. (Original) The apparatus according to claim 44, further comprising a second encrypter that encrypts the second set of duplicate packets under a second encryption algorithm.

Q³ 48. (Original) The apparatus according to claim 47, wherein the stream of clear packets further comprises packets containing system information; and further comprising means for modifying the system information to identify the encryption used to encrypt the second set of duplicate packets.

49. (Original) The apparatus according to claim 44, further comprising a second encrypter that encrypts packets having the second packet identifier under a second encryption algorithm.

50. (Original) The apparatus according to claim 44, further comprising packet remapping means for remapping packet identifiers so that the first set of duplicate packets and the set of clear packets are assigned the same packet identifier.

51. (Original) The apparatus according to claim 44, wherein the means for selecting a group of packets for dual encryption selects the packets by determining that the packet contains an elementary stream header.

52. (Original) The apparatus according to claim 44, wherein the means for selecting a group of packets for dual encryption selects the packets according to a time dependent algorithm.

53. (Original) The apparatus according to claim 44, wherein the means for selecting a group of packets for dual encryption selects the packets by determining that the packet contains audio information.

54. (Original) The apparatus according to claim 44, wherein the means for selecting a group of packets for dual encryption selects the packets by determining that the packet contains video information.

55. (Original) The apparatus according to claim 44, wherein the means for selecting a group of packets for dual encryption selects the packets by determining that the packet contains system information.

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56. (Original) A packet identifier remapping apparatus, comprising:
a demodulator that demodulates a stream of modulated packets, the stream of packets comprising clear packets with a first packet identifier, encrypted packets with a second packet identifier and packets with a third packet identifier; and
a remapper that changes the packet identifiers so that the clear packets with the first packet identifier and the encrypted packets with the second packet identifier have the same packet identifier.

57. (Original) The apparatus according to claim 56, wherein the packets with the third packet identifier comprise clear packets and further comprising an encrypter for encrypting the packets having the third packet identifier under a different algorithm than that used to encrypt packets having the second packet identifier.

58. (Original) The apparatus according to claim 56, wherein the packets with the third packet identifier comprise encrypted packets, and wherein the packets with the third packet identifier are encrypted under a different algorithm than that used to encrypt packets having the second packet identifier.

59. (Original) The apparatus according to claim 56, wherein the stream of modulated packets are quadrature amplitude modulated; and wherein the demodulator comprises a quadrature amplitude modulation demodulator.

60. (Original) The apparatus according to claim 56, further comprising a multiplexer that combines the remapped packets with the packets with the third packet identifier to produce an output data stream.

61. (Original) The apparatus according to claim 60, further comprising a quadrature amplitude modulator that modulates the output data stream.

a³ 62. (Original) The apparatus according to claim 56, wherein the stream of modulated packets further comprises packets containing system information; and further comprising means for modifying the system information to identify the encryption used to encrypt the packets having the third packet identifier.

63. (Currently Amended) A method carried out at a television provider headend, comprising:

- receiving a feed of scrambled television content in the form of a stream of packets;
- descrambling the scrambled television content to produce a stream of clear packets;

- selecting a packet for dual encryption;
- duplicating the packet to provide first and second packets;
- re-mapping the first and second packets to first and second packet identifiers;
- encrypting the first packet under a first encryption algorithm to produce a first encrypted packet;

- encrypting the second packet under a second encryption algorithm to produce a second encrypted packet; and

- re-mapping clear packets to the first packet identifier.

64. (Original) The method according to claim 63, further comprising assembling a partially encrypted stream of packets by combining clear packets with the first packets and the second packets.

65. (Original) The method according to claim 63, wherein the first and second packets are inserted adjacent one another in the partially encrypted stream of packets.

66. (Original) The method according to claim 63, wherein the packets are selected for dual encryption based upon contents of the packet.

67. (Original) The method according to claim 63, wherein the packets are selected for dual encryption based upon a timing sequence for sampling the stream of clear packets.